

## NOAA Research Vessel NAUVOO (NOAA F- 4902)



The NOAA Research Vessel NAUVOO is owned and operated by the NOAA Fisheries J.J. Howard Marine Sciences Laboratory of Highlands, New Jersey. The vessel was acquired from the U.S. Coast Guard in 2002 and converted from a 49' BUSL Buoy Tender to an inshore, fisheries and oceanographic research platform.

The vessel is fully-equipped to operate up to 20 nautical miles off-shore and typically carries out the following operations:

- Deployment and recovery of oceanographic buoys and moorings
- Trawling, Dredging, and Deployment of Fixed Gear to support near coastal fisheries research and stock assessment
- Collection of Plankton using surface and mid-water gear
- Scientific Diving Operations
- Collection of Sediment Cores using Benthic Grabs and Gravity Corers
- Deployment of Hydrographic Survey Equipment
- Water Quality Sampling and Monitoring

### Vessel Characteristics

|                            |  |
|----------------------------|--|
| <u>Length Over All</u>     | 49.6 Feet  |
| <u>Beam</u>                | 16.8 Feet  |
| <u>Draft</u>               | 5.6 Feet   |
| <u>Displacement</u>        | 35.57 Long-Tons                                    |
| <u>Maximum Speed</u>       | 11 Knots   |
| <u>Service Speed</u>       | 10 Knots   |
| <u>Range (at 10 knots)</u> | 300 Nautical Miles                                 |
| <u>Endurance</u>           | 4 Days   |
| <u>Embarked Personnel</u>  | 1 Officer, 1 Crew,<br>6 Scientists and Passengers  |
| <u>Propulsion</u>          | Twin 8V-71 Detroit Diesel<br>Engines @ 305 HP Each |
| <u>Power</u>               | 22 kW, 120/240 60 Hertz,<br>120 Amps               |

### Deck Equipment

#### Anchor Windlass

Vetus Den Ouden Alexander III

#### Main Trawl Winches

Two Pullmaster H12 Winches

Wire Capacity:

(1/4" Wire Rope) 2237 feet

(1/2" Wire Rope) 636 feet

Free spool equipment and brake controls  
Installed

#### A-Frame Cargo Winches

Two Pullmaster KPL8 Winches

Wire Capacity:

(1/4" Wire Rope) 684 feet

#### A-Frame

18 ft 1 1/16 " High X 144" wide

Safe Working Load of 4500 lbs

#### Net Reel

Aluminum Net Reel with Direct Drive Motor

Dimensions: 72" Width x 36" Diameter Flange

Deck Area 225 square-feet

In addition to supporting the missions of NOAA Fisheries, the NAUVOO can perform services for various federal, state and local agencies, schools and others with coastal research and management interests.

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